



## **DIVISION SCOPE OF SERVICE**

**Division: NORTH TEXAS**

**DHP Classification: CARDIOVASCULAR TECHNOLOGIST-INVASIVE**

**Name of Dependent Healthcare Professional (DHP):**

### **Cardiovascular Technologist and Technician (Cardiac Tech / CV Tech) Invasive:**

The Invasive Cardiovascular Technologist (DHP) must have equivalent qualifications and competence as employed individuals performing the same or similar services at the facility.

#### **Definition of Care or Service:**

Assists physicians in diagnosing and treating cardiac and peripheral vascular disease and assists with invasive procedures. Scope of Service may include:

- Performs diagnostic exams to obtain sufficient and valid data
- Assists with Invasive procedures such as cardiac catheterization, balloon angioplasty or electrophysiology
  - Primary functions during invasive procedures include:
    - Scrub Assistant
    - Operation of imaging equipment
    - Circulating during the procedure (applies to RN's only)
    - Patient monitoring and procedure documentation
- Reviews and records patient history and supporting clinical data
- Performs diagnostic and therapeutic examinations.
- Performs diagnostic and therapeutic services
- Collects and prepares diagnostic test data for review by a physician
- Records selective vessel and heart chamber pressures, including cardiac output.
- Performs cardiac output studies
- Prepares, calibrates and operates monitoring instrumentation utilized for determining the presence and extent of cardiovascular abnormalities in diagnostic laboratory or operating room setting.
- Prepares patient for procedure
- Educates patients and families about cardiac and peripheral vascular disease and procedures
- Demonstrates Clinical and Service excellence behaviors to include code of HCA conduct core fundamentals in daily interactions with patients, families, co-workers and physicians
- Maintains confidentiality and privacy in accordance with HIPAA regulations

#### **Setting(s)**

- Healthcare facilities including but not limited to hospitals, outpatient treatment facilities, imaging centers and physician practices.
- Electrophysiology Lab, Cardiovascular Lab

#### **Supervision:**

- Direct supervision by department director, site manager or designee
  - Indirect supervision by physician or other licensed independent practitioner that defines the final patients' study results
- Supervision is defined by any limitations in practice that may be addressed by state law

**Evaluator:** Department Director or designee in conjunction with supervising physician or licensed independent practitioner



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### **Qualifications**

- Completion of an appropriate cardiovascular technician training program including:
  - Allied Health Professional Training with one year of specialty training (minimum)
  - Associates Degree or higher in Cardiovascular Technology or equivalent field of study
- Current certification as RCIS (Registered Cardiovascular Invasive Specialist), CIT (Cardiac Interventional Technologist), MRT (Medical Radiologic Technologist), LMRT (Limited Medical Radiologic Technologist), ARRT (American Registry of Radiologic Technologist)
- BLS/ACLS

### **Experience**

The Cardiovascular Technologist provides documentation that they have assisted with at least 100\*\* invasive diagnostic studies associated with their specific scope of service that were validated for quality and accuracy of results within the last 12 months

\*\* Note: Facility should establish a minimum experience standard

### **Competencies**

Competency statements include:

- Safe and effective operation of invasive cardiac equipment and products
  - Obtains quality diagnostic outputs consistently
  - Maintains equipment in good working order, troubleshooting.
  - Demonstrates effective infection control practices related to equipment operation and procedure preparation
- Accurate patient information review and evaluation
  - Uses at least two ways to identify patients before treating or performing a procedure
  - Verifies that the requested procedure correlates with the patient's clinical history, presentation and physician order
  - Participates in the preprocedure process to verify the correct procedure, for the correct patient, at the correct site and involves the patient in the verification process when possible
  - Participates in the Universal Protocol immediately before the start of an invasive procedure or making of the incision as per hospital policy.
  - Accesses the patient medical record appropriately
  - Documents in the medical record according to the facility standard / policy
- Diagnostic Examination/Clinical Procedure performance
  - Performs invasive diagnostic and clinical procedures under direct physician supervision according to facility standard/policy
  - Performs physiologic monitoring including electrocardiac monitoring, wave form interpretation and intracardiac pressure monitoring correctly
  - Labels containers used for blood and specimens in the presence of the patient
  - Labels all medications and solutions on and off the sterile field in perioperative and procedural settings
  - Documents in medical record according to the facility standard/policy
- Collaborates and communicates effectively with patient, significant other and care team follow regulatory and core measure guidelines.
- Infection Prevention
  - Practices consistent hand hygiene
  - Uses personal protective equipment (PPE)
  - Maintains current immunization for influenza
  - Complies with Isolation precautions
  - Current PPD



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**References:**

US Department of Labor (2011). Cardiovascular Technologist and Technician. Occupational Information Network (O\*NET); Retrieved from <http://www.bls.gov/ooh100.htm>.

HcPro. (2003, May). Clinical Privilege White Paper: Cardiovascular technologist. Retrieved from [www.credentialingresourcecenter.com](http://www.credentialingresourcecenter.com)

Society of Invasive Cardiovascular Professional. Retrieved from [www.SICP.org](http://www.SICP.org)

DHP Printed Name: \_\_\_\_\_ DHP Signature: \_\_\_\_\_

Company/Vendor: \_\_\_\_\_ Date: \_\_\_\_\_